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PARASITES ON THE BODY OF BLACKBUCKS

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Blackbucks (*Antilope cervicapra*) are native to India, but have been introduced to various parts of the world. The entire individual number is approximately 164, 257 (James *et al.*, 1992) distributed in 86 countries. Recently some ectoparasites have been reported from the captive blackbucks in few places. The ectoparasites generally belong to the phylum Arthropoda, specially to two classes, Insecta and Arachnida (acari) (Examination of ectoparasites is involved through visual inspection of the entire body of the freshly dead animal or of the hide after skinning. Here is a list of the parasites collected from different places mentioned against them.

Insecta

Order *Anoplura* (Sucking lice)

- | | |
|-----------------------------------|---------------|
| 1. <i>Linognathus cervicaprae</i> | Paris, London |
| 2. <i>L. pithodes</i> | London, Texas |
| 3. <i>L. mazamae</i> | Texas |

Order *Diptera* (Louse flies)

- | | |
|--|----------------|
| 1. <i>Lipoptena mazamae</i> southern deer ked) | North America |
| | Northern India |
| 2. <i>L. iniiqua</i> | |

Order *Mallophaga*

- | | |
|-------------------------------------|---------------|
| 1. <i>Damalinia cornuta cornuta</i> | Texas |
| 2. <i>D. parallela</i> | North America |

Order *Siphonaptera* (fleas)

- | | |
|--------------------------------------|-------|
| 1. <i>Anicistropsylla nepalensis</i> | Nepal |
| 2. <i>Ctenocephalides felis</i> | Nepal |

Arachnida

Ticks

- | | |
|--|-------|
| 1. <i>Dermacentor albipictus</i> (winter tick) | Texas |
| 2. <i>D. auratus</i> | Nepal |
| 3. <i>Haemophysalis leporispalustris</i> (rabbit tick) | Nepal |
| 4. <i>H. birmaniae</i> | Nepal |
| 5. <i>H. bispinosa</i> | Nepal |
| 6. <i>H. himalaya</i> | Nepal |
| 7. <i>H. intermedia</i> | India |

8. *Ixodes ovatus*
9. *Amblyomma americanum*
(lone star tick)

Nepal
Texas

10. *Rhipicephalus sanguineus*
(brown dog tick)

Nepal

Mites

1. *Psoroptes cuniculi* (rabbit ear mite)

Texas

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INSECT VENOM - EFFECTS & REMEDIES

Amiya Kumar Patel

There are several groups of insects producing toxic substances called as 'venoms'. Their effects and remedies are given below.

Hymenoptera

(a) BEE

1. It causes lysis of erythrocytes.
2. Decreases blood pressure and cardiac contraction.
3. Causes bradycardia, arrhythmia and atrioventricular block.
4. Ganglionic blocking may follow initial excitation, causes both pain and inflammation.
5. Multiple stringing of the venom leads to respiratory paralysis & death.